

ABSTRACT

Providing a small-sized vehicular planetary gear type step-variable transmission having seven or more forward drive gear positions having a wide range of speed ratio and suitable for use on an FF vehicle or an RR vehicle.

Transmission 10 provided with three planetary gear sets, four clutches C and two brakes B to provide seven or more forward drive gear positions having a wide range of speed ratio, and wherein a counter gear pair 21 is constituted by an output gear 19 disposed between a first transmission portion 14 and a second transmission portion 16, and a driven gear 22 which is mounted on a counter shaft 20 rotatably about a second axis 20c parallel to a first axis 12c and which is held in meshing engagement with the output gear 19, and the fourth clutch C4 is disposed so as to reduce an amount of increase of an axial length of the transmission, so that the transmission is small-sized and used on the FF or RR vehicle.